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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 25

Complete if Known

Application Number	10/728,486
Filing Date	12/5/2003
First Named Inventor	David J. Ecker
Art Unit	1637
Examiner Name	David Thomas
Attorney Docket Number	DIBIS-0012US.P1

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ¹ (if known)			
		US 5,436,129	07/25/95	Stapleton	
		US 5,451,500	09/19/95	Stapleton	
		US 5,503,980	04/02/96	Cantor	
		US 5,523,217	06/04/96	Lupski et al.	
		US 5,527,675	06/18/96	Coull et al.	
		US 5,567,587	10/22/96	Kohne	
		US 5,580,733	12/03/96	Levis et al.	
		US 5,625,184	04/29/97	Vestal et al.	
		US 5,686,242	11/11/97	Bruice et al.	
		US 5,700,642	12/23/97	Monforte et al.	
		US 5,727,202	03/10/98	Kucala	
		US 5,745,751	04/28/98	Nelson et al.	
		US 5,759,771	06/02/98	Tilanus	
		US 5,770,367	06/23/98	Southern et al.	
		US 5,777,324	07/07/98	Hillenkamp	
		US 5,830,655	11/03/98	Monforte et al.	
		US 5,832,489	11/03/98	Kucala	
		US 5,851,765	12/22/98	Koster	
		US 5,864,137	01/26/99	Becker et al.	
		US 5,869,242	02/09/99	Kamb	

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		Country Code ² - Number ³ - Kind Code ⁴ (if known)				
		DE 19802905	07/29/99	Bruker Daltonik		
		DE 19824280	12/02/99	Bruker Daltonik		
		DE 19852167	05/31/00	Bruker-Saxonia		
		EP 1138782	02/05/03	Bruker-Saxonia		
		EP 1234888	01/02/04	Bruker Daltonik		
		EP 1333101	08/06/03	Bruker Daltonik		
		GB 2325002	11/11/98	Bruker Franzen		
		GB 2339905	02/09/00	Bruker Daltonik		
		WO 92 008117	05/14/92	Tilanus		
		WO 93 003186	02/18/93	Hoffman LaRoche		

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Sheet 2 of 25

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		Number - Kind Code ¹ (if known)			
		US 5,871,697	02/16/99	Rothberg et al.	
		US 5,876,936	03/02/99	Ju	
		US 5,928,906	07/27/99	Koster	
		US 5,976,798	11/02/99	Parker et al.	
		US 5,981,176	11/09/99	Wallace	
		US 5,981,190	11/09/99	Israel	
		US 5,994,066	11/30/99	Bergeron et al.	
		US 6,001,564	12/14/99	Bergeron et al.	
		US 6,018,713	01/25/00	Coli et al.	
		US 6,043,031	03/28/00	Koster et al.	
		US 6,046,005	04/04/00	Ju	
		US 6,051,378	04/18/00	Monforte et al.	
		US 6,054,278	04/25/00	Dodge et al.	
		US 6,055,487	04/25/00	Margery et al.	
		US 6,061,686	05/09/00	Gauvin et al.	
		US 6,074,823	06/13/00	Koster	
		US 6,074,831	06/13/00	Yakhini et al.	
		US 6,090,558	07/18/00	Butler et al.	
		US 6,104,028	08/15/00	Hunter et al.	
		US 6,111,251	08/29/00	Hillenkamp	

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		Country Code ² - Number ³ - Kind Code ⁴ (if known)				
		WO 93/008297	04/29/93	Baylor Cllg Med.		
		WO 94/016101	07/21/94	Sequenom-Koster		
		WO 94/021822	09/29/94	Sequenom-Koster		
		WO 95/004161	02/09/95	Pena et al.		
		WO 95/013396	05/18/95	U-Gen Research		
		WO 96/029431	09/26/96	Sequenom		
		WO 96/032504	10/17/96	Boston Univ.		
		WO 96/037630	11/28/96	SRI Int.		
		WO 98/003684	01/29/98	Hybridon Inc.		
		WO 98/014616	04/09/98	Perceptive Bio.		

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First Named Inventor	David J. Ecker
Art Unit	1637
Examiner Name	David Thomas
Attorney Docket Number	DIBIS-0012US.P1

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		Number - Kind Code ¹ (if known)			
		US 6,140,053	10/31/00	Koster	
		US 6,146,144	11/14/00	Fowler et al.	
		US 6,153,389	11/28/00	Haarer et al.	
		US 6,159,681	12/12/00	Zebala	
		US 6,180,372	01/30/01	Franzen	
		US 6,194,144	02/27/01	Koster	
		US 6,197,498	03/06/01	Koster	
		US 6,218,118	04/17/01	Sampson et al.	
		US 6,221,587	04/24/01	Ecker et al.	
		US 6,221,601	04/24/01	Koster et al.	
		US 6,221,605	04/24/01	Koster	
		US 6,225,450	05/01/01	Koster	
		US 6,235,476	05/22/01	Bergmann et al.	
		US 6,235,478	05/22/01	Koster	
		US 6,235,480	05/22/01	Shultz et al.	
		US 6,238,871	05/29/01	Koster	
		US 6,238,927	05/29/01	Abrams et al.	
		US 6,258,538	07/10/01	Koter et al.	
		US 6,265,716	07/24/01	Hunter et al.	
		US 6,268,129	07/31/01	Gut et al.	

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		Country Code ¹ - Number ² - Kind Code ³ (if known)				
		WO 98/015652	04/16/98	Brax Genomics		
		WO 98/020020	05/14/98	Sequenom Inc.		
		WO 98/020157	05/14/98	Infect. Diagnostic		
		WO 98/026095	06/18/98	GeneTrace Systems		
		WO 98/031830	07/23/98	Brax Genomics		
		WO 98/040520	09/17/98	Hybridon Inc.		
		WO 99/005319	02/04/99	Rapigene		
		WO 99/012040	03/11/99	Sequenom		
		WO 99/029898	06/17/99	Max-Planck-Gesell.		
		WO 99/057318	11/11/99	Hillenkamp		

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Sheet 4 of 25

Complete if Known

Application Number	10/728,486
Filing Date	12/5/2003
First Named Inventor	David J. Ecker
Art Unit	1637
Examiner Name	David Thomas
Attorney Docket Number	DIBIS-0012US.P1

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		Number - Kind Code ¹ (if known)			
		US 6,268,131	07/31/01	Kang et al.	
		US 6,268,144	07/31/01	Koster	
		US 6,268,146	07/31/01	Shultz	
		US 6,270,973	08/07/01	Lewiz et al.	
		US 6,270,974	08/07/01	Shultz et al.	
		US 6,277,573	08/21/01	Koster et al.	
		US 6,277,578	08/21/01	Shultz et al.	
		US 6,300,076	10/09/01	Koster	
		US 6,303,297	10/16/01	Lincoln et al.	
		US 6,312,893	11/06/01	Van Ness et al.	
		US 6,312,902	11/06/01	Shultz et al.	
		US 6,322,970	11/27/01	Little et al.	
		US 6,361,940	03/26/02	Van Ness et al.	
		US 6,372,424	04/16/02	Brow et al.	
		US 6,389,428	05/14/02	Rigault et al.	
		US 6,391,551	05/21/02	Shultz et al.	
		US 6,393,367	05/21/02	Tang et al.	
		US 6,419,932	07/16/02	Dale	
		US 6,423,966	07/23/02	Hillenkamp et al.	
		US 6,428,955	08/06/02	Koster et al.	

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		Country Code ¹ - Number ² - Kind Code ³ (if known)				
		WO 01/007648	02/01/01	Artus Gesellschaft		
		WO 01/023604	04/05/01	Infectio Diagnostic		
		WO 01/032930	05/10/01	Cal. Inst. Tech.		
		WO 01/051661	07/19/01	Amsterdam Supp.		
		WO 01/057263	08/09/01	Advion Biosciences		
		WO 01/057518	08/09/01	Goodnough		
		WO 01/073199	10/04/01	Cl. Applic. Mol.		
		WO 02/010186	02/07/02	Cal. Inst. Tech.		
		WO 02/010444	02/07/02	Univ. Sydney		
		WO 02/018641	03/07/02	Gemini Genomics		

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		US 6,432,651	08/13/02	Hughes et al.	
		US 6,436,635	08/20/02	Fu et al.	
		US 6,436,640	08/20/02	Simmons et al.	
		US 6,453,244	09/17/02	Oefner et al.	
		US 6,458,533	10/01/02	Felder et al.	
		US 6,468,743	10/22/02	Romick et al.	
		US 6,468,748	10/22/02	Monforte et al.	
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		US 6,553,317	04/22/03	Lincoln et al.	
		US 6,558,902	05/06/03	Hillenkamp	
		US 6,566,055	05/20/03	Monforte et al.	
		US 6,582,916	06/24/03	Schmidt et al.	
		US 6,589,485	07/08/03	Koster	
		US 6,602,662	08/05/03	Koster et al.	
		US 6,605,433	08/12/03	Fliss et al.	
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		Country Code ² - Number ³ - Kind Code ⁴ (if known)				
		WO 02/021108	03/14/02	Large Scale Prot.		
		WO 02/022873	03/21/02	Gyllesten et al.		
		WO 02/050307	06/27/02	Chugai Seiyaku		
		WO 02/057491	07/25/02	Leland Stanford		
		WO 02/070664	09/12/02	Isis Pharma.		
		WO 02/077278	10/03/02	Coun. Sci. Ind. Res.		
		WO 02/099034	12/12/02	Infect. Diagnostic		
		WO 03/002750	01/09/03	High Through. Gen.		
		WO 03/008636	01/30/03	Infectio Diagnostic		
		WO 03/016546	02/27/03	Whatman Inc.		

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		US 6,716,634	04/06/04	Myerson	
		US 7,217,510	05/01/07	Ecker et al.	
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		US 2003/0073112	04/17/03	Zhang et al.	
		US 2003/0113745	06/19/03	Monforte et al.	
		US 2003/0124556	07/03/03	Ecker et al.	
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		US 2003/0134312	07/17/03	Burgoyne et al.	

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		WO 03/088979	10/30/03	Univ. Montpellier		
		WO 03/093506	11/13/03	Renovo Limited		
		WO 03/097869	11/27/03	Con Cipio GmbH		
		WO 04/052175	06/24/04	Isis Pharma.		
		WO 05/053141	06/09/05	Sanken Electric		
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Application Number	10/728,486
Filing Date	12/5/2003
First Named Inventor	David J. Ecker
Art Unit	1637
Examiner Name	David Thomas
Attorney Docket Number	DIBIS-0012US.P1

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 8 of 25

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Application Number	10/728,486
Filing Date	12/5/2003
First Named Inventor	David J. Ecker
Art Unit	1637
Examiner Name	David Thomas
Attorney Docket Number	DIBIS-0012US.P1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ALVES-SILVA, J. et al., "The Ancestry of Brazilian mtDNA Lineages," <i>Am. J. Hum. Genet.</i> (2000) 67:444-461.	
		ANDERSON et al., "Sequence and organization of the human mitochondrial genome," <i>Nature</i> (1981) 290:457-465.	
		ANDREASSON et al., "Mitochondrial Sequence Analysis for Forensic Identification Using Pyrosequencing Technology" <i>BioTechniques</i> (2002) 32:124-133.	
		Application Serial No: 09/798,007 Office Communication Mailed 04/16/02 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 06/20/02 (DIBIS-0002US)	
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		Application Serial No: 09/798,007 Office Communication Mailed 01/08/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 01/31/03 (DIBIS-0002US)	
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		Application Serial No: 09/798,007 Office Communication Mailed 05/20/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 07/11/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 09/22/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 11/19/03 (DIBIS-0002US)	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 9 of 25

Complete if Known

Application Number	10/728,486
Filing Date	12/5/2003
First Named Inventor	David J. Ecker
Art Unit	1637
Examiner Name	David Thomas
Attorney Docket Number	DIBIS-0012US.P1

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		Application Serial No: 09/798,007 Office Communication Mailed 08/10/04 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 02/10/05 (DIBIS-0002US)	
		Application Serial No: 10/156,608 Office Communication Mailed 04/01/04 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 08/10/04 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 10/14/04 (DIBIS-0002US.D1)	
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		Application Serial No: 10/156,608 Office Communication Mailed 07/20/05 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 09/15/05 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 06/02/05 (DIBIS-0002US.D1) with associated Information Disclosure Statement filed 11/28/2005.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 10 of 25

Complete if Known

Application Number	10/728,486
Filing Date	12/5/2003
First Named Inventor	David J. Ecker
Art Unit	1637
Examiner Name	David Thomas
Attorney Docket Number	DIBIS-0012US.P1

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		Application Serial No: 10/660,997 Office Communication Mailed 03/13/06 (DIBIS-0002US.P2)	
		Application Serial No: 10/660,997 Office Communication Mailed 05/26/06 (DIBIS-0002US.P2)	
		Application Serial No: 10/660,997 Office Communication Mailed 09/18/06 (DIBIS-0002US.P2)	
		Application Serial No: 10/660,997 Office Communication Mailed 11/21/06 (DIBIS-0002US.P2)	
		Application Serial No: 10/660,997 Office Communication Mailed 04/26/07 (DIBIS-0002US.P2) with associated Information Disclosure Statement filed 02/20/2007	
		Application Serial No: 10/660,122 Office Communication Mailed 03/17/06 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,122 Office Communication Mailed 07/06/06 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,122 Office Communication Mailed 09/19/06 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,122 Office Communication Mailed 04/20/07 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,122 Office Communication Mailed 09/19/07 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,122 Office Communication Mailed 03/21/08 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,996 Office Communication Mailed 02/28/06 (DIBIS-0002US.P4)	
		Application Serial No: 10/660,996 Office Communication Mailed 05/30/06 (DIBIS-0002US.P4)	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 11 of 25

Complete if Known

Application Number	10/728,486
Filing Date	12/5/2003
First Named Inventor	David J. Ecker
Art Unit	1637
Examiner Name	David Thomas
Attorney Docket Number	DIBIS-0012US.P1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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		Application Serial No: 10/660,996 Office Communication Mailed 11/22/06 (DIBIS-0002US.P4)	
		Application Serial No: 10/660,996 Office Communication Mailed 07/10/07 (DIBIS-0002US.P4) with associated Information Disclosure Statement filed 02/21/2007	
		Application Serial No: 10/660,998 Office Communication Mailed 05/01/06 (DIBIS-0002US.P5)	
		Application Serial No: 10/660,998 Office Communication Mailed 08/03/06 (DIBIS-0002US.P5)	
		Application Serial No: 10/660,998 Office Communication Mailed 01/24/07 (DIBIS-0002US.P5)	
		Application Serial No: 10/660,998 Office Communication Mailed 08/07/07 (DIBIS-0002US.P5)	
		Application Serial No: 10/660,998 Office Communication Mailed 12/11/07 (DIBIS-0002US.P5)	
		Application Serial No: 11/233,630 Office Communication Mailed 06/08/07 (DIBIS-0002US.C7)	
		Application Serial No: 11/233,630 Office Communication Mailed 07/13/07 (DIBIS-0002US.C7)	
		Application Serial No: 11/331,978 Office Communication Mailed 11/15/07 (DIBIS-0002US.C8)	
		Application Serial No: 11/331,987 Office Communication Mailed 07/16/07 (DIBIS-0002US.C9)	

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Sheet 12 of 25

Complete if Known

Application Number	10/728,486
Filing Date	12/5/2003
First Named Inventor	David J. Ecker
Art Unit	1637
Examiner Name	David Thomas
Attorney Docket Number	DIBIS-0012US.P1

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		Application Serial No: 11/331,987 Office Communication Mailed 10/22/07 (DIBIS-0002US.C9)	
		Application Serial No: 09/891,793 Office Communication Mailed 12/18/02 (DIBIS-0003US)	
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		Application Serial No: 09/891,793 Office Communication Mailed 03/09/04 (DIBIS-0003US)	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 13 of 25

Complete if Known

Application Number	10/728,486
Filing Date	12/5/2003
First Named Inventor	David J. Ecker
Art Unit	1637
Examiner Name	David Thomas
Attorney Docket Number	DIBIS-0012US.P1

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		Application Serial No: 09/891,793 Office Communication Mailed 11/20/06 (DIBIS-0003US)	
		Application Serial No: 10/754,415 Office Communication Mailed 03/13/06 (DIBIS-0003US.P2)	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 14 of 25

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First Named Inventor	David J. Ecker
Art Unit	1637
Examiner Name	David Thomas
Attorney Docket Number	DIBIS-0012US.P1

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		Application Serial No: 11/409,535 Office Communication Mailed 04/16/08 (DIBIS-0083US1)	
		Application Serial No: 10/418,514 Office Communication Mailed 09/29/05 (DIBIS-0035US)	
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		Application Serial No: 11/060,135 Office Communication Mailed 07/24/07 (DIBIS-0057US1)	
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Sheet 15 of 25

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Examiner Name	David Thomas
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		Application Serial No: 11/409,535 Office Communication Mailed 10/31/07 (DIBIS-0083US1)	
		BAHRMAND et al., "Polymerase chain reaction of bacterial genomes with single universal primer: application to distinguishing mycobacteria species" <i>Molecular and Cellular Probes</i> (1996) 10:117-122.	
		BAHRMAND et al., "Use of restriction enzyme analysis of amplified DNA coding for the hsp65 gene and polymerase chain reaction with universal primer for rapid differentiation of mycobacterium species in the clinical laboratory" <i>Scandinavian Journal of Infectious Diseases</i> (1998) 30:477-480.	
		BASTIA et al., "Organelle DNA analysis of Solanum and Brassica somatic hybrids by PCR with 'universal primers.'" <i>Theoretical and Applied Genetics</i> (2001) 102:1265-1272.	
		BATEY et al., "Preparation of Isotopically Labeled Ribonucleotides for Multidimensional NMR Spectroscopy of RNA" <i>Nucleic Acids Research</i> (1992) 20:4515-4523	
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		BLAST Search results (03/2006)	
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Sheet 16 of 25

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Application Number	10/728,486
Filing Date	12/5/2003
First Named Inventor	David J. Ecker
Art Unit	1637
Examiner Name	David Thomas
Attorney Docket Number	DIBIS-0012US.P1

NON PATENT LITERATURE DOCUMENTS

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		International Search Report for PCT/US2004/011877 dated 04/20/2006 (DIBIS-0035WO)	
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Sheet 22 of 25

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Application Number	10/728,486
Filing Date	12/5/2003
First Named Inventor	David J. Ecker
Art Unit	1637
Examiner Name	David Thomas
Attorney Docket Number	DIBIS-0012US.P1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		NAKAO et al., "Development of a Direct PCR Assay for Detection of the Diphtheria Toxin Gene" <i>J. Clin. Microbiol.</i> (1997) 35:1651-1655.	
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		VAN CAMP et al., "Amplification and sequencing of variable regions in bacteria 23S ribosomal RNA genes with conserved primer sequences" <i>Current Microbiology</i> (1993) 27:147-151.	
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